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RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information
Center (STIC) detected errors when processing the following computer readable
form:

Application Serial Number: _09/451,739 F_

Source: _1600_

Date Processed by STIC: _8/19/2003_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
   APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
   NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER
VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
   http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is
a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the
United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , EFS Submission
   User Manual - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
   Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
         Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
   2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office,
   Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

[X] 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).

[ ] 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).

[ ] 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).

[X] 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."

[ ] 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).

[ ] 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).

[ ] 7. Other:

Applicant Must Provide:

[X] An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".

[X] An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.

[X] A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216
For CRF Submission Help, call (703) 308-4212
PatentIn Software Program Support
    Technical Assistance....................................703-287-0200
    To Purchase PatentIn Software.......................703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

1600

RAW SEQUENCE LISTING   DATE: 08/19/2003
PATENT APPLICATION: US/09/451,739F   TIME: 15:18:33

Input Set : A:\LUD 5615 - Sequence Listing.txt
Output Set: N:\CRF4\08192003\I451739F.raw

```
   1 <110> APPLICANT: Jager, Dirk
   2         Scanlan, Matthew
   3         Gure, Ali
   4         Jager, Elke
   5         Knuth, Alexander
   6         Old, Lloyd
   7         Chen, Yao-tseng
   9 <120> TITLE OF INVENTION: Isolated Nucleic Acid Molecules Encoding Cancer Associated
Antigens,
  10         the Antigens per se, and Uses Thereof
  12 <130> FILE REFERENCE: LUD 5615
  14 <140> CURRENT APPLICATION NUMBER: 09/451,739F
  16 <141> CURRENT FILING DATE: 1999-11-30
  18 <160> NUMBER OF SEQ ID NOS: 19
```

ERRORED SEQUENCES

don't use "CDS". It denotes a coding sequence

pp 1-3
Does Not Comply
Corrected Diskette Needed

```
 357 <210> SEQ ID NO: 8
 358 <211> LENGTH: 772
 359 <212> TYPE: DNA
 360 <213> ORGANISM: Homo sapiens
 361 <221> NAME/KEY: CDS
 362 <222> LOCATION: 689,714
 363 <400> SEQUENCE: 8
```

<2207 insert this mandatory numeric identifier whenever <2217, <2227, or <2237 is shown

<2237 insert, and explain n's (what do they represent?)

```
 364 aaagcgttct cggcggcagc gcaacaacta gaaccgtgag aacgcgtcca gcaaccgcga     60
 366 cccacgacga cgtcacctcg ggcacgccca aggagaagaa agcccagacc tctaagaaga    120
 368 agcagggctc catggccaag gcgtagcggc aggcgtcccc cgcagacctc cccatcgacc    180
 370 ccagcgagcc ctcctactgg gagatgatcc gctgcgacaa cgaatgcccc atcgagtggt    240
 372 tccgcttctc gtgtgtgagt ctcaaccata aaccaaagcg caagtggtac tgttccagat    300
 374 gccggggaaa gaacgatggg caaagccctt gagaagtcca gaaaaaaaac agggcttata    360
 376 acaggtagtt tggggacatg cgtctaatag tgaggagaac aaaataagcc agtgtgttga    420
 378 ttacattgcc accttgctg aggtgcagga agtgtaaaat gtatatttt aaagaatgtt     480
 380 gttagaggcc gggcgcggtg gctcacgcct gtaatcccag cactttggga ggccgaggcg    540
 382 gtcggatcac gaggtcagga gatcgagacc atcctggcta acacggtgaa accccgtctc    600
 384 tactaaaaat tcaaaaaaaa aattagctag gcgtggtggc gggcgcctgt agtaccagct    660
 386 attcgggagg ctgaggcagg agaatggact gaacctggga ggtggagctt gcactgagcc    720
 388 aaggtcgcgc cactgcactc cagcctgggc gacagagcga gactccatct ta            772
 439 <210> SEQ ID NO: 15
 440 <211> LENGTH: 2030
 441 <212> TYPE: DNA
 442 <213> ORGANISM: Homo sapiens
 443 <221> NAME/KEY: CDS
 444 <222> LOCATION: 1628, 1752, 1758, 1769, 1789, 1873, 1908, 1915, 1933, 1970, 1976, 2022
```

W--> 386
E--> 363

<2207 insert   *don't use*

<2237 insert, and explain "n's"

RAW SEQUENCE LISTING   DATE: 08/19/2003
PATENT APPLICATION: **US/09/451,739F**   TIME: 15:18:33

Input Set : **A:\LUD 5615 - Sequence Listing.txt**
Output Set: **N:\CRF4\08192003\I451739F.raw**

```
445 <400> SEQUENCE: 15
446 ctcgtgccgt taaagatggt cttctgaagg ctaactgcgg aatgaaagtt tctattccaa    60
448 ctaaagcctt agaattgatg gacatgcaaa ctttcaaagc agagcctccc gagaagccat   120
450 ctgccttcga gcctgccatt gaaatgcaaa agtctgttcc aaataaagcc ttggaattga   180
452 agaatgaaca aacattgaga gcagatgaga tactcccatc agaatccaaa caaaaggact   240
454 atgaagaaag ttcttgggat tctgagagtc tctgtgagac tgtttcacag aaggatgtgt   300
456 gtttacccaa ggctacacat caaaaagaaa tagataaaat aaatggaaaa ttagaagagt   360
458 ctcctgataa tgatggtttt ctgaaggctc cctgcagaat gaaagtttct attccaacta   420
460 aagccttaga attgatggac atgcaaactt tcaaagcaga gcctcccgag aagccatctg   480
462 ccttcgagcc tgccattgaa atgcaaaagt ctgttccaaa taaagccttg gaattgaaga   540
464 atgaacaaac attgagagca gatcagatgt tcccttcaga atcaaaacaa aagaaggttg   600
466 aagaaaattc ttgggattct gagagtctcc gtgagactgt ttcacagaag gatgtgtgtg   660
468 tacccaaggc tacacatcaa aaagaaatgg ataaaataag tggaaaatta gaagattcaa   720
470 ctagcctatc aaaaatcttg gatacagttc attcttgtga aagagcaagg gaacttcaaa   780
472 aagatcactg tgaacaacgt acaggaaaaa tggaacaaat gaaaaagaag ttttgtgtac   840
474 tgaaaaagaa actgtcagaa gcaaaagaaa taaaatcaca gttagagaac caaaaagtta   900
476 aatgggaaca agagctctgc agtgtgagat tgactttaaa ccaagaagaa gagaagagaa   960
478 gaaatgccga tatattaaat gaaaaaatta gggaagaatt aggaagaatc gaagagcagc  1020
480 ataggaaaga gttagaagtg aaacaacaac ttgaacaggc tctcagaata caagatatag  1080
482 aattgaagag tgtagaaagt aatttgaatc aggtttctca cactcatgaa aatgaaaatt  1140
484 atctcttaca tgaaaattgc atgttgaaaa aggaaattgc catgctaaaa ctggaaatag  1200
486 ccacactgaa acaccaatac caggaaaagg aaaataaata ctttgaggac attaagattt  1260
488 taaaagaaaa gaatgctgaa cttcagatga ccctaaaact gaaagaggaa tcattaacta  1320
490 aaagggcatc tcaatatagt gggcagctta agttctgat agctgagaac acaatgctca  1380
492 cttctaaatt gaaggaaaaa caagacaaag aaatactaga ggcagaaatt gaatcacacc  1440
494 atcctagact ggcttctgct gtacaagacc atgatcaaat tgtgacatca agaaaaagtc  1500
496 aagaacctgc tttccacatt gcaggagatg cttgtttgca aagaaaaatg aatgttgatg  1560
498 tgagtagtac cgatatataa caatgaggtg ctccatcaac cactttctga agctcaaagg  1620
500 aaatccanaa gcctaaaaat taatctcaat tatgcaggag atgctctaag agaaaataca  1680
502 ttggtttcag gaacatgcac aaagagacca acgtgaaaca cagtgtcaaa tgaaggaagc  1740
504 tgaacacatg tntcaaancg aacaagatna tgtgaacaaa cacactganc agcaggagtc  1800
506 tctagatcag aaattatttc aactacaaag caaaatatg tggcttcaac agcaattagt  1860
508 tcatgcacat aangaaagct gacaacaaaa gcaagataac aattgatntt cattntcttg  1920
510 agaggaaaat gcncatcatc ttctaaaga gaaaatgag gagatatttn attacnataa  1980
512 ccatttaaaa aacccgtata tttcaatatg gaaaaaaaa anaaaaaaaa             2030
```

09/451,239F   3

delete at end of file
(after sequence 19)

Input Set : **A:\LUD 5615 - Sequence Listing.txt**
Output Set: **N:\CRF4\08192003\I451739F.raw**

```
L:25  M:283 W: Missing Blank Line separator, <220> field identifier
L:29  M:283 W: Missing Blank Line separator, <400> field identifier
L:36  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:180
L:87  M:283 W: Missing Blank Line separator, <400> field identifier
L:133 M:283 W: Missing Blank Line separator, <220> field identifier
L:134 M:283 W: Missing Blank Line separator, <400> field identifier
L:166 M:283 W: Missing Blank Line separator, <400> field identifier
L:202 M:283 W: Missing Blank Line separator, <400> field identifier
L:262 M:283 W: Missing Blank Line separator, <220> field identifier
L:263 M:283 W: Missing Blank Line separator, <400> field identifier
L:310 M:283 W: Missing Blank Line separator, <400> field identifier
L:363 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:8
L:363 M:283 W: Missing Blank Line separator, <400> field identifier
L:386 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8
L:386 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:8
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:660
L:395 M:283 W: Missing Blank Line separator, <400> field identifier
L:403 M:283 W: Missing Blank Line separator, <400> field identifier
L:411 M:283 W: Missing Blank Line separator, <400> field identifier
L:419 M:283 W: Missing Blank Line separator, <400> field identifier
L:427 M:283 W: Missing Blank Line separator, <400> field identifier
L:435 M:283 W: Missing Blank Line separator, <400> field identifier
L:445 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:15
L:445 M:283 W: Missing Blank Line separator, <400> field identifier
L:500 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:15
L:500 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ ID#:15
L:500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:1620
M:341 Repeated in SeqNo=15
L:519 M:283 W: Missing Blank Line separator, <400> field identifier
L:620 M:283 W: Missing Blank Line separator, <400> field identifier
L:628 M:283 W: Missing Blank Line separator, <400> field identifier
L:636 M:283 W: Missing Blank Line separator, <400> field identifier
```